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III. *An Extraordinary high Tide in the River Thames observ'd by Capt. THO. JONES.*

MARCH the 8th, 1725-6, The Tide in the River Thames, at New Crane in Shadwell, flow'd twenty Foot, five Inches and a half, taken by a Level, from that High-water Mark, to Low-water the next Morning, and was four Inches higher than has been known these fourty Years.

IV. *Observations upon the Tides in the River Thames, by Mr. Henry de Saumarez.*

THAT the Use of my Instrument call'd the * *Marine Surveyor* may yet farther appear, I shall here give some Experiments I made with it on the River Thames, in order to determine the Strength of the Tides of *Flood* and *Ebb*. Were the same to be done in the Channel, and on the Sea Coast of *Great Britain*, and mark'd in our Charts, I am humbly of Opinion, it would be of no small advantage to our Commerce, and of consequence a sufficient Recommendation of the *Marine Surveyor*, if that alone were the Use of it.

I am induced the rather to be of this Opinion, in regard I am not insensible of the Dangers on the *Casquets*, in the *Race* of *Alderney*, &c. where rapid Tides and Currents have occasioned but too many to mourn the Loss of Friends and Fortunes : As I dwell in the Neighbourhood of these Dangers, I have (in manifest hazard of my Life) survey'd and taken correct Draughts not only of them, but of the Islands of *Guernsey*, *Sarck*, &c. And as I persuade myself they are as correct, as any Thing that has hitherto appear'd of this kind, it is my intent to publish them for the Good of the Publick.

* *vid.* Philof. Transact. No. 391.